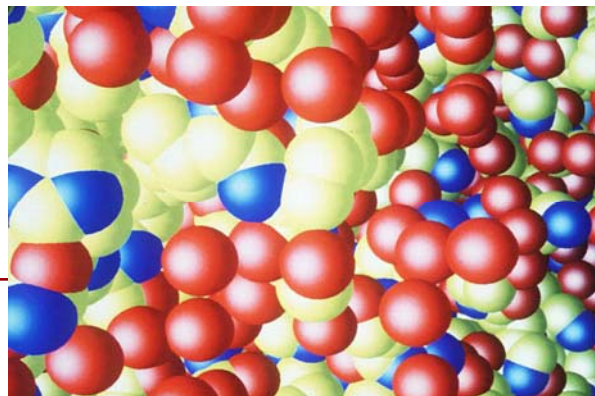


CHEMISTRY CHRONICLE



CWU Chemistry Department
Quarterly Newsletter

Faculty Activities...

Dion Rivera has accepted an invitation from the ACS-PRF to serve on two grant review panels in the area of spectroscopy and theoretical chemistry. The panels will meet in Washington, D.C. in January and June of 2009.

Martha Kurtz attended the Washington College Chemistry Teachers Association (WCCTA) meeting October 16-18 in Leavenworth, WA. WCCTA is made up of two-year and four-year faculty who teach chemistry.

JoAnn Peters represented the department at the CWU open house for prospective students on Saturday, October 25. **Dion Rivera** and the **Chemistry Club** gave a magic show

The CWU Chemical Analysis Lab (**Anne Johansen**, lab supervisor; senior chemistry major **Sara Rybka**, lab assistant) passed the on-site laboratory visit October 23 by Environmental Protection Agency (EPA) official, Perry Brake, with glowing credentials. The laboratory is EPA accredited for the analysis of 11 chemical components and needs to pass 2 annual blind tests as well as one onsite visit every other year.

Anthony Diaz submitted a proposal, "RUI: Investigation of Surface Loss Processes in Nano-scale Luminescent Materials" for \$143,000 to the National Science Foundation (NSF).

Fall 2008

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Grants Funded...

Anne Johansen had her NSF proposal "RUI: Do DMS and Isoprene Control Iron Bioavailability in Marine Aerosols?" funded for a total of \$135,500 to support students and herself over the next 2 years.

Donald Clayton, senior major, was awarded a research grant in the amount of \$500 by the Office of Undergraduate Research. Don conducts research with **Levente Fabry**.

Casey Kellar, senior chemistry minor, was awarded a research grant in the amount of \$500 by the Office of Undergraduate Research. She conducts research with **Viorel Sarca**.

Department Activities...

Carin Thomas and four undergraduate chemistry students attended the 17th Regional Conference on Undergraduate Research of the Murdock College Science Research Program November 7-8 at the University of Puget Sound. Two posters were presented by chemistry Science Honors students: **Heather Durkee**, senior major, mentored by **Dion Rivera**, presented "Kinetic Studies of the Formation of Zinc Based Quantum Dot Materials with Green Fluorescence" and **Sara Rosario**, also a senior major, mentored by **Carin Thomas**, presented "The Effects of Buckminster Fullerenes on Mitochondrial Function."

In December, **Anne Johansen** and alumnus **Lindsey Shank** (BS 2005, MS 2008) did a platform presentation at the American Geophysical Union (AGU) Fall Meeting in San Francisco: "Evidence of DMS and other biogenic gases affecting iron bioavailability in remote marine aerosols."

Alumni Updates...

Mike Hase, who graduated in June 2008 with an ACS certified BS in Chemistry, is employed at a small pharmaceutical company in Gig Harbor as an analytical chemist. Mike is a former research and Science Honors student in the **Rivera** lab.

Craig Gyselincx, who graduated in June 2008 with an ACS certified BS in Chemistry, is employed at Cascade Analytical in Wenatchee as an Analytical Chemist 1. Craig is a former research student in the **Rivera** lab.

Ryan Davis, 2007 graduate with a BS in Chemistry, is currently pursuing his doctorate degree in chemistry at the University of California Santa Barbara. He was recently awarded the competitive IGERT Fellowship which is supported by the National Science Foundation (NSF).

Next Edition...

The newsletter will be published quarterly with the next edition to be published in March. Please send items to be included in the next edition (photos welcome!) to Lisa at stowel@cwu.edu